

Max Effect EA 2.6



Features

- Excellent sonic performance with 24bit high end converters coupled with 96kHz sample rate
- 2 inputs, 6 outputs with full matrix mixing
- 31 band parametric equalization per input channel
- 7 band parametric equalization per output channel
- Each band can be switched to Bell, Low/High Shelving with variable Q response
- Crossover filters with slopes from 6dB/Octave up to 48dB/Octave including Butterworth, Bessel, Linkwitz-Riley
- Each output features a dynamic range controller composed of a Peak Limiter.
- Adjustable Delay time up to 900 ms for every input channel, and up to 340 ms for every output channel
- Rear panel USB connector for direct PC communications
- RS485 connection for system setup, monitoring and control via fully manageable remote PC software
- Front panel interactive LCD display for local access and configuration
- Front panel 7-LED level meter indicators per channel
- Simultaneous control up to 32 units via PC software
- Up to 32 storable user presets
- Security Lockout



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Specification

Audio

- Analog Input 2 x XLR electronically balanced
- Analog Output 6 x XLR electronically balanced
- AD & DA Converters 24bit 96kHz
- Minimum Load 150 ohm
- THD+N 0.005% at 1kHz 0dBu, 0.01% at 1kHz 16dBu
- S/N >106 dBA
- Frequency Response 20Hz – 20kHz; ± 0.5 dB

Processing

- Resolution 24x32 bit for filtering process
96 bits resolution on intermediate computation results
- Parametric Equalization 31 filters per input selected as Bell or Shelving
7 filters per output selected as Bell or Shelving
- Filter Type Bell, Shelving
- Filter Gain From -15dB up to +15dB by 0.5dB resolution steps
- Center Frequency Selectable with a 1/24th of octave resolution step from 20Hz up to 20kHz
- Filter Q/BW Q from 0.4 up to 12 by 0.1 resolution steps
- Crossover Section HPF/LPF Butterworth 6/12/18/24 dB per octave
Bessel 12/24 dB per octave
Linkwitz-Riley 12/24/36/48 dB per octave
- Internal Noise Generator White/Pink Noise, level from -30dBu to 0dBu
- Input Noise Gate Threshold from -90 dBu up to -60 dBu
- Delay 420 ms for every input channel and 128 ms for every output channel
- Ground Noise -88 dBu

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•RMS Compressor

Threshold from -14 dBu up to +16dBu
Ratio: 2:1~100:1; Knee: 0%~100%
Attack time from 5ms up to 200ms
Release time from 0.1 sec up to 3 sec

General

•Device Presets •Front Panel

32 User Presets
2x24 character LCD display with green LED backlight
7-LED meter per input channel -20dBu to +15dBu, clip
7-LED meter per output channel -15dBu to +15dBu, clip or limiter mode
Blue LED (Edit) and Red LED (Mute) per channel
NAV/PM1 Rotary encoder push button switch
PM2, PM3, ENTER, ESC, UTILITY push button switches
EDIT/MUTE push button per channel
USB type B connector

•Rear Panel

2 x XLR female connector (Input)
6 x XLR male connector (Output)
1 x XLR female connector for RS485 (Input)
1 x XLR male connector for RS485 (Output)
2 x Ground-lift toggle switch
IEC C13 16A connector; Power on/off switch
90-240VAC (50/60Hz) – 40W
19"x 1.75"x 9" (483x44x229mm) 1RU
560x320x110(mm)
6.61 lbs (3.0 Kg) / 7.71 lb (3.5 Kg)

•Main AC •Dimensions •Package size •Weight, Net / Shipping